

FEIS prepared for the project and as updated with this document remains a valid document in accordance with NEPA regulations.

**Table 6-1
Preferred Alternative – Significant Impact Analysis**

Section of EA	Significant Impact?
4.1.1 Community	<p>No.</p> <p>Community cohesion will be maintained through the extension of Rowena Avenue to US 70 and a grade separation of the East End Connector over Rowena Avenue to maintain its connection to Carter Avenue.</p>
4.1.1.1 Transportation Services	<p>No.</p> <p>The existing and proposed rail transit systems, bicycle routes and greenways are not expected to be impacted, but some of the current Durham Area Transit Authority bus routes will be modified.</p> <p>During construction, there will be no interruption to rail service along the major freight railroad corridors located in the study area.</p>
4.1.1.1 Access Changes	<p>No.</p> <p>Generally, for the preferred alternative , the major changes to local access and travel routes within the EEC study area will be associated with the reconstruction of US 70 from Holloway Street to Pleasant Drive.</p> <p>The project will change travel patterns for motorists traveling from south of Durham to I-85 by providing a freeway-to-freeway alternative to the current through-town routes to I-85, via Gregson and Duke Streets. As a result, traffic volumes on those roadways are expected to be maintained at 2006 levels in 2035, rather than increase by 24 percent under the no-build condition.</p> <p>In order to maintain adequate access to roadways and properties in the study area, the construction of Alternative 3 will include the provision of new roadway connections and alternate access routes.</p> <p>In addition, the reconstruction of US 70 and changes to the existing intersections along the corridor from Holloway Street to Lynn Road as proposed for Alternative 3 will create some new travel patterns for local traffic circulation within the study area.</p>
4.1.2 Relocations	<p>No.</p> <p>The preferred alternative will displace 17 residents, 9 businesses, and 1 church.</p>
4.1.3 Community Facilities & Services	<p>No.</p> <p>The preferred alternative will impact the Living Water Christian Church office at the intersection of US 70 and Lynn Road and the Believers Assembly Christian Church on Harvard Avenue.</p> <p>One 4(f) and 6(f) resource will be impacted – City of Durham's C. R. Wood Park. Approximately 0.08 acre of undeveloped land will be acquired from the park. A de minimis impact has been determined for this resource.</p>